

California Weather-Hydro Conditions during April 2017

As of April 30, 2017, statewide hydrologic conditions were as follows: precipitation, 175 percent of average to date; snow water content, 180 percent of average to date (140% of the April 1 index average); runoff, 235 percent of average to date; and reservoir storage, 110 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2017, observed through April 30, 2017 was about 31.2 million acre-feet (MAF), which is about 239 percent of average. In comparison to Water Year 2016, the observed Sacramento River Region unimpaired runoff through April 30, 2016 was about 14.2 MAF, or about 109 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2017, observed through April 30, 2017 was about 10.7 MAF, which is about 307 percent of average. In comparison to Water Year 2016, the observed San Joaquin River Region unimpaired runoff through April 30, 2016 was about 3.7 MAF, or about 107 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2017, observed through April 30, 2017 was about 3.4 MAF, which is about 266 percent of average. In comparison to Water Year 2016, the observed Tulare Lake Region unimpaired runoff through April 30, 2016 was about 1.0 MAF, or about 76 percent of average.

On April 30, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 93.0 inches, which is about 203 percent of the seasonal average to date and 186 percent of an average water year (50.0 inches). During April, the total precipitation for the 8-Stations was 9.6 inches, or about 246 percent of average for the month. Last year on April 30, 2016, the Water Year 2016 seasonal total for the 8-Stations was 54.7 inches, or about 120 percent of average.

On April 30, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 71.0 inches, which is about 190 percent of the seasonal average to date and 174 percent of an average water year (40.7 inches). During April, the total precipitation for the 5-Stations was 6.1 inches, or about 169 percent of average for the month. Last year on April 30, 2016, the Water Year 2016 seasonal total for the 5-Stations was 38.6 inches, or about 104 percent of average.

On April 30, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 45.8 inches, which is about 170 percent of the seasonal average to date and 156 percent of an average water year (29.2 inches). During April, the total precipitation for the 6-Stations was 2.6 inches, or about 100 percent of average for the month. Last year on April 30, 2016, the Water Year 2016 seasonal total for the 6-Stations was 25.2 inches, or about 94 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 04/30/2017					
Station	Water Year 2017 to April 30, 2017	% Average	Water Year 2016 to April 30, 2016	% Average	WY 2017 % of Avg Water Year (Oct 1 – Sep 30)
Mount Shasta	57.60	149	37.38	97	132
Eureka	49.73	136	43.20	118	123
Redding	44.70	144	35.10	113	129
South Lake Tahoe	45.79	267	19.97	117	225
Sacramento Executive Airport	32.82	190	15.75	91	177
Santa Rosa (Sonoma Co AP)	57.91	169	30.01	88	160
San Francisco	31.96	142	21.97	98	135
Stockton	21.52	164	16.25	124	153
Yosemite	73.46	214	35.02	102	194
Monterey	24.11	158	21.25	139	150
Paso Robles	14.01	115	7.37	61	110
Fresno	17.08	160	13.98	131	149
Bakersfield	7.74	127	4.89	80	120
Death Valley	1.28	68	1.61	86	54
Los Angeles	17.54	123	6.30	44	117
Riverside	11.86	102	4.99	43	96
Palm Springs	6.96	151	2.48	54	121
San Diego	11.67	117	7.29	73	113

Key Reservoir Storage (1,000 AF) as of 04/30/2017								
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available
Trinity Lake	Trinity	2,302	2,020	114	2,448	94	---	146
Shasta Lake	Sacramento	4,263	3,924	109	4,552	94	76	289
Lake Oroville	Feather	2,622	2,877	91	3,538	74	-598	916
New Bullards Bar Res	Yuba	895	767	117	966	93	-1	71
Folsom Lake	American	724	729	99	977	74	-79	253
New Melones Res	Stanislaus	2,002	1,505	133	2,400	83	32	418
Don Pedro Res	Tuolumne	1,641	1,487	110	2,030	81	203	389
Lake McClure	Merced	663	607	109	1,025	65	31	362
Millerton Lake	San Joaquin	261	366	71	520	50	-113	259
Pine Flat Res	Kings	504	613	82	1,000	50	-83	496
Isabella	Kern	273	231	118	568	48	-89	295
San Luis Res	(Offstream)	1,998	1,822	110	2,041	98	---	41

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for May 2017, issued April 30, 2017, suggests below-average precipitation for northwestern California and average precipitation for the rest of the State.